

DEVAL L. PATRICK GOVERNOR TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY JOHN AUERBACH

COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

10/18/2011

Jessica Mutchler Assistant District Attorney, Cape & Islands

Dear ADA Mutchler,

Enclosed is the information you requested in regards to Commonwealth vs.

Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan and Della Saunders.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5. GC/Mass Spectral analytical data for samples #

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely

Annie Dookhan

Chemist

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry. University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice - Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

The Commonwealth of Massachusetts Executive Office of Health and Human Services

Boston Drug Laboratory Tel (617) 983-6622 Fax (617) 983-6625 **Department of Public Health State Laboratory Institute**

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours 8:00 - 11:00 2:00 - 4:00

DRUG RECEIPT

Amherst Hours 9:00 - 12:00 1:00 - 4:00

City or Department: Brewster	Police R	eference No.:	
Name and Rank of Submitting Officer:	Det/Sgt 1	Paul Judge	
Defendant(s) Name (last, first, initial)	· /	· ·	
Description of Samples		To be completed by Gross Weight	Lab Personnel Lab Number
5 - blue pills with "A"	over "215"	3.93g	
96-TABS "30"4"AD"		66.20p	
// A			
Received by:	Date:	J. 2	23.11

Date Analyzed: MAY 2 6 2011 No.

City: Brewster Police Dept.

Officer: Detective Paul Judge

Def:

Amount:

No. Cont:

5.0

1

Cont: pb

Date Rec'd: 03/23/2011

Gross Wt.:

3.93

No. Analyzed:

Net Weight: a - Sの

Subst: TAB

Tests: 1950

Prelim: Oxycodone 8

Findings: OXYCOUNE

No.

City: Brewster Police Dept.

Officer: Detective Paul Judge

Def:

Amount:

96.0 1

Cont: pb

Date Rec'd: 03/23/2011

Gross Wt.:

No. Cont:

66.20

No. Analyzed:

Net Weight:

#Tests: 3

Subst: TAB

Date Analyzed: JUN 2 3 2011

Findings:

DRUG POWDER ANALYSIS FORM

SAMPLE# AGENCY REPORT AGENCY REPORT	rewser. ANALYST ASA
No. of samples tested:	Evidence Wt.
PHYSICAL DESCRIPTION:	Gross Wt():
5 blue med tablet	Gross Wt():
12,60	Pkg. Wt:
	Net Wt: 0.5072
215	
PRELIMINARY TESTS Spot Tests	Microcrystalline Tests
Cobalt Thiocyanate ()	Gold Chloride
Marquis	TLTA ()
Froehde's	OTHER TESTS
Mecke's	Manage A.B
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST
RESULTS Ony codes	RESULTS Oxygodore
DATE	MS OPERATOR DCS
	DATE 05-26-11

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Blue Shape: Circle

Imprint: A; 215

Form: Oral Tablet

Available-Container-Size: Bottle of

100,10X10

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding

Combination Products with

Acetaminophen or Acetylsalicylic Acid)

NDC: 52152-0215-02 52152-0215-11

Exciplents: Sodium Starch Glycolate; Stearic Acid; Starch, Corn; FD&C Blue No. 2 Aluminum

Lake; Lactose

(Monohydrate); Cellulose, Microcrystalline; Silicon Dioxide

Regulatory Status: Schedule II

Availability: United States

Product ID 6527175 Contact: Actavis Totowa

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DRUG POWDER ANALYSIS FORM

SAMPLE #	AGENCY	Brewster ANALYST ASD
No. of samples tested:		Evidence Wt.
PHYSICAL DESCRIPTION: Orange + 96 - Lohite 10	(65	Gross Wt(): Gross Wt(): Pkg. Wt: Net Wt: 49-06
		3 charges.
PRELIMINARY TESTS Spot Tests		Microcrystalline Tests
Cobalt Thiocyanate ()		Gold Chloride
MarquisFroehde's		OTHER TESTS
Mecke's		MUNOMERISC AT CO
PRELIMINARY TEST RESULTS		GC/MS CONFIRMATORY TEST
RESULTS Amphetomie		RESULTS Ampletone
DATE 5-24-11		MS OPERATOR SCS
		DATE 06-23-11

Revised 7/2005

Drug Information

DRUG NAME: ADDERALL

Color: Orange Shape: Circle

Imprint: 30 The tablet is embossed with 30 on one side with a full and partial bisect andAD embossed on the other

side., AD

Form: Oral Tablet

Available-Container-Size: Bottle of

100

AAPCC Code: 001000 -Amphetamines and Related

Compounds

NDC: 0555-0768-02 UPC: 05550-76802

Excipients: Lactitol; Cellulose, Microcrystalline; Silicon Dioxide, Colloidal; Magnesium Stearate; FD&C

Yellow No. 6 (Color Additive)

Regulatory Status: Schedule II

Availability: United States

Product ID 6765147

Contact: Teva Pharmaceuticals

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File Name : K:\05_24_11\789505.D

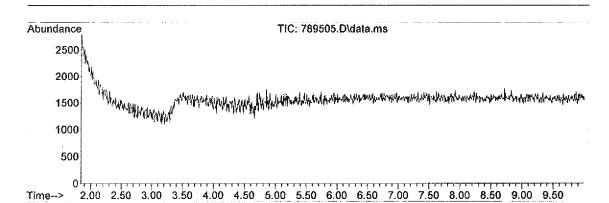
Operator : DCS

Date Acquired : 24 May 2011 14:27

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time

Area

Area %

Ratio %

NO INTEGRATED PEAKS

/ 10/18/11 PB

Page 1

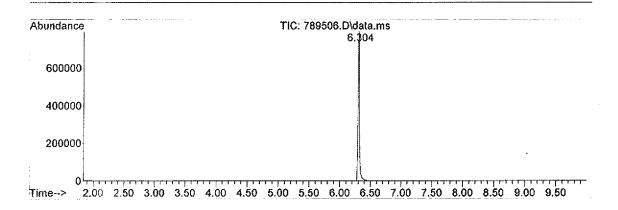
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Operator : DCS

Date Acquired : 24 May 2011 14:40 Sample Name : OXYCODONE STANDARD

Submitted by

Vial Number : 6 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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Operator : DCS

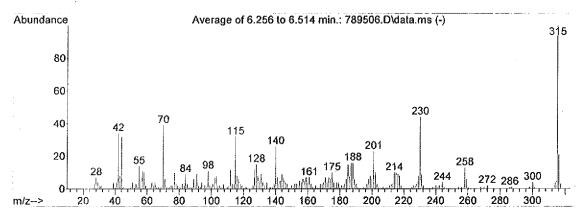
Date Acquired : 24 May 2011 14:40 Sample Name : OXYCODONE STANDARD

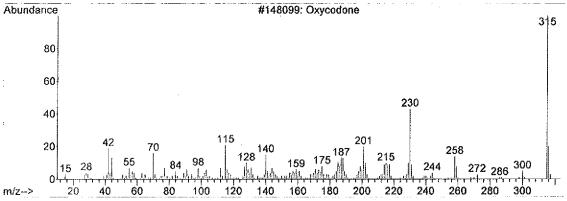
Submitted by : Vial Number : 6 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

PK‡	‡ RT	Library/ID	CAS#	Qual
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		Oxycodone Oxycodone	000076-42-6 000076-42-6	99 99



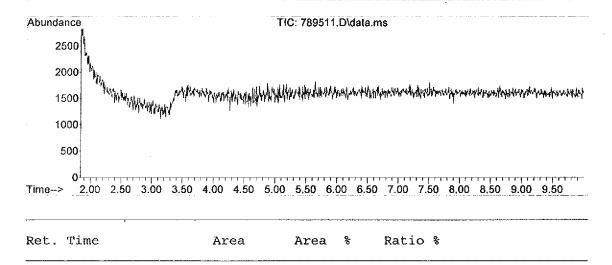


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Operator : DCS

Date Acquired : 24 May 2011 15:42

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



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Operator : DCS

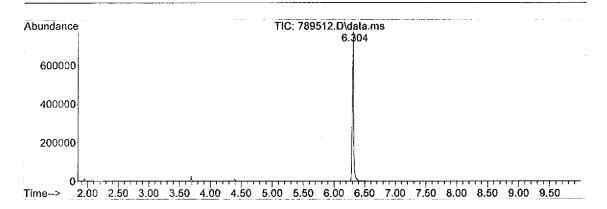
Date Acquired : 24 May 2011 15:54

Sample Name Submitted by : ASD

Vial Number AcquisitionMeth: DRUGS.M

: 12

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.304	1217473	100.00	100.00

File Name : K:\05_24_11\789512.D

Operator | : DCS

Date Acquired 24 May 2011 15:54

Sample Name Submitted by

ASD Vial Number 12 AcquisitionMeth: DRUGS.M Integrator

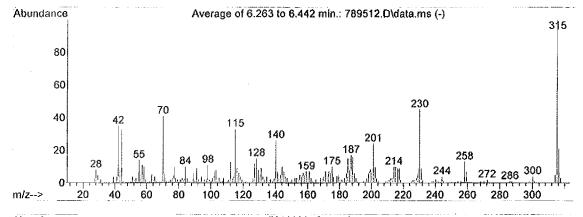
: RTE

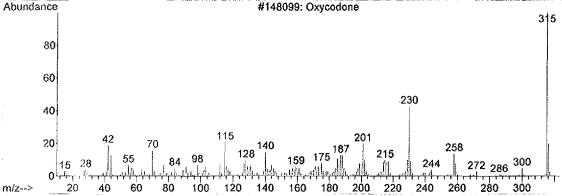
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
1	6.30	C:\Database\NIST08.L Oxycodone	000076-42-6	99
		Oxycodone Oxycodone	000076-42-6 000076-42-6	99 99





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Operator : DCS

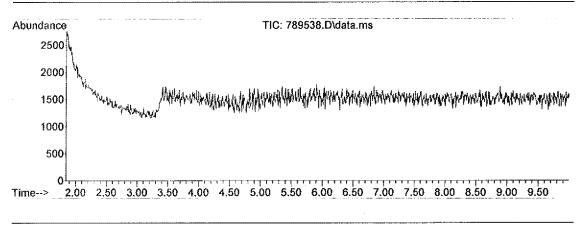
Date Acquired : 24 May 2011 21:17

Sample Name : BLANK

Submitted by :

Vial Number : 1 AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time

Area

Area %

Ratio %

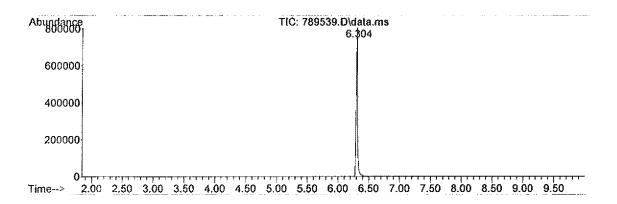
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Operator : DCS

Date Acquired : 24 May 2011 21:29 Sample Name : OXYCODONE STANDARD

Submitted by

Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.304	1274388	100.00	100.00

File Name : K:\05 24 11\789539.D

Operator : DCS

Date Acquired : 24 May 2011 21:29 Sample Name : OXYCODONE STANDARD

Submitted by

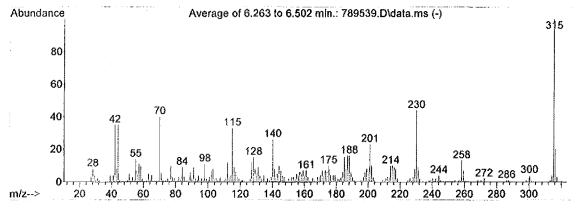
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AcquisitionMeth: DRUGS.M
Integrator : RTE

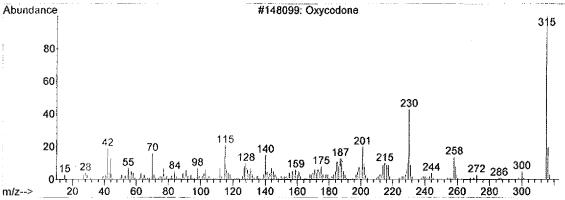
Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

PK#	RT	Library/ID	CAS#	Qual
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File Name : K:\06_21_11\792905.D

Operator : DCS

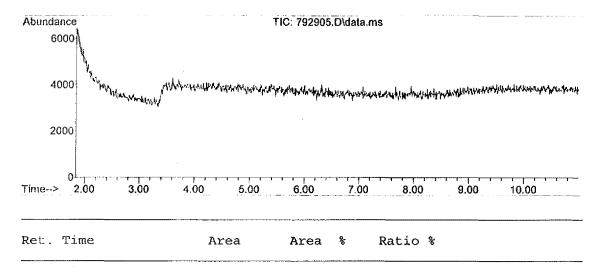
Date Acquired : 21 Jun 2011 16:10

Sample Name : BLANK

Submitted by

Vial Number :

AcquisitionMeth: SPEED.M Integrator : RTE



NO INTEGRATED PEAKS

VIOLISHI PES

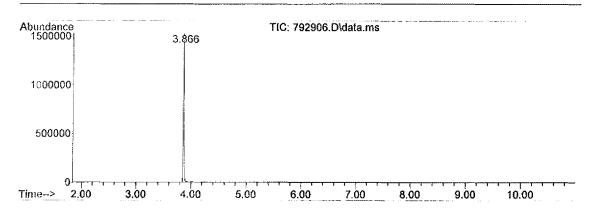
File Name : $K:\06_21_11\792906.D$

Operator : DCS

Date Acquired : 21 Jun 2011 16:24 Sample Name : AMPHETAMINE STANDARD

Submitted by

Vial Number : 6 AcquisitionMeth: SPEED.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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File Name : K:\06_21_11\792906.D

Operator : DCS

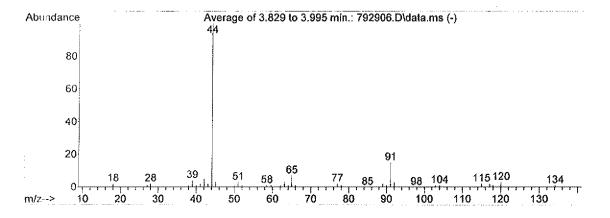
Date Acquired : 21 Jun 2011 16:24 Sample Name : AMPHETAMINE STANDARD

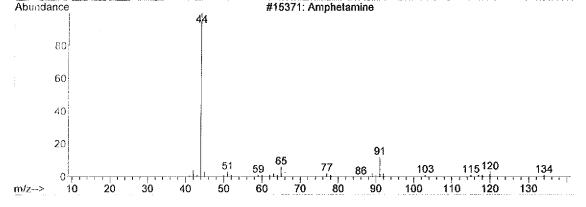
Submitted by Vial Number 6 AcquisitionMeth: SPEED.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

₽ K #	RT	Library/ID	CAS#	Qual
1	3.87	C:\Database\NIST08.L		
		Amphetamine	000300-62-9	90
		Amphetamine	000300-62-9	90
		Benzeneethanamine, .alphamethyl-	000060-15-1	83





File Name : K:\06_21_11\792907.D

Operator : DCS

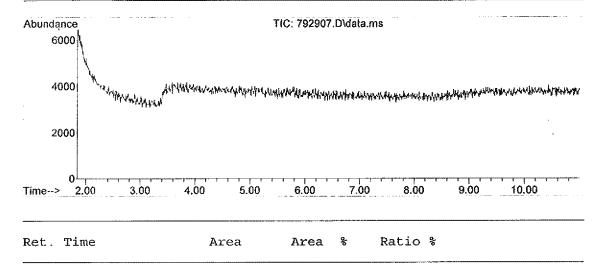
Date Acquired : 21 Jun 2011 16:38

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: SPEED.M

Integrator : RTE

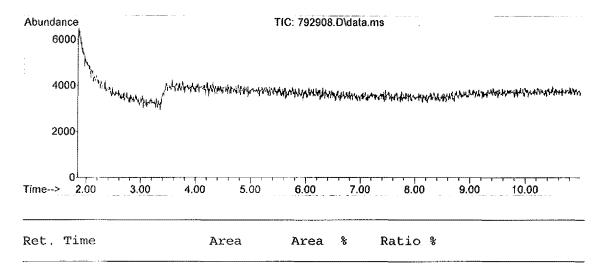


File Name : K:\06_21_11\792908.D

Operator : DCS

Date Acquired : 21 Jun 2011 16:52

Sample Name : BLANK Submitted by : ASD Vial Number : 1 AcquisitionMeth: SPEED.M Integrator : RTE



File Name : K:\06_21_11\792909.D

Operator : DCS

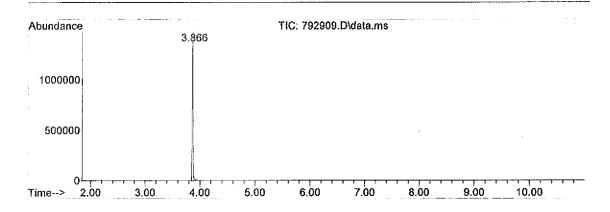
Date Acquired : 21 Jun 2011 17:06

Sample Name :

Submitted by : ASD
Vial Number : 9

AcquisitionMeth: SPEED.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.866	1351462		

File Name : K:\06_21_11\792909.D

Operator : DCS

Date Acquired : 21 Jun 2011 17:06

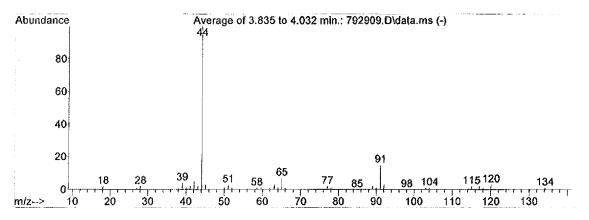
Sample Name : Submitted by :

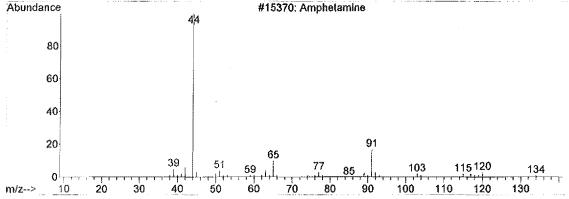
Vial Number : 9 AcquisitionMeth: SPEED.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

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		Amphetamine Amphetamine		000300-62-9 000300-62-9	90 90
		Benzeneethanamine	alphamethvl-	000060-15-1	83



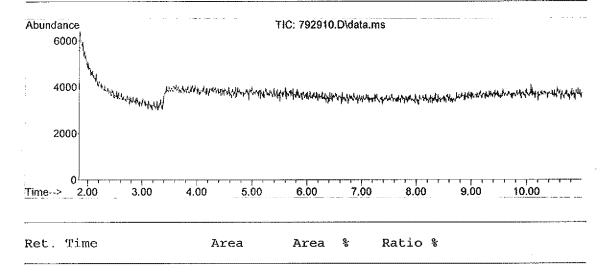


File Name : K:\06_21_11\792910.D

Operator : DCS

Date Acquired : 21 Jun 2011 17:20

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: SPEED.M
Integrator : RTE

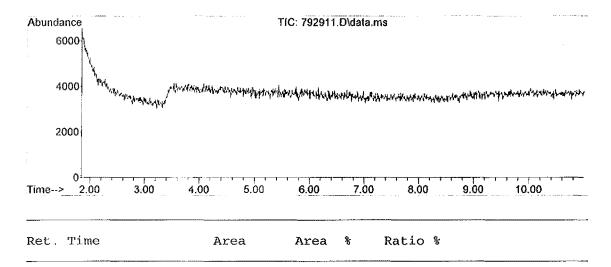


File Name : K:\06_21_11\792911.D

Operator : DCS

Date Acquired : 21 Jun 2011 17:34

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: SPEED.M
Integrator : RTE



File Name : K:\06_21_11\792912.D

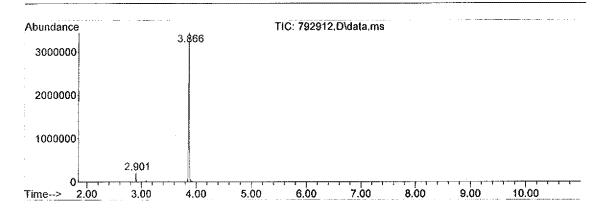
Operator : DCS

Date Acquired : 21 Jun 2011 17:48

Sample Name : ASD

Vial Number : 12 AcquisitionMeth: SPEED.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.90 1	202219	5.17	5.45
3.866	3707772	94.83	100.00

File Name : K:\06_21_11\792912.D

Operator : DCS

Date Acquired : 21 Jun 2011 17:48

Sample Name

Submitted by : ASD
Vial Number : 12
AcquisitionMeth: SPEED.M
Integrator : RTE

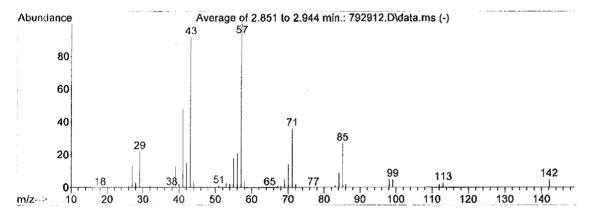
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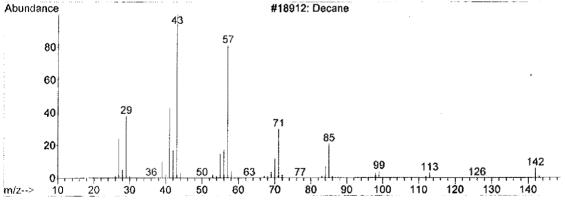
Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

PK#	RT	Library/ID	CAS#	Qual
1	2.90	C:\Database\NIST08.L		,
		Decane	000124-18-5	95
		Decane	000124-18-5	94
		Decane	000124-18-5	93





File Name : K:\06_21_11\792912.D

Operator : DCS

Date Acquired : 21 Jun 2011 17:48

Sample Name

0411 2022 27.1

Submitted by : ASD Vial Number : 12 AcquisitionMeth: SPEED.M Integrator : RTE

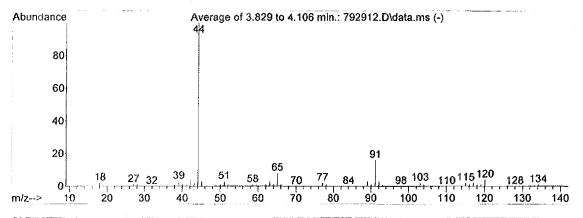
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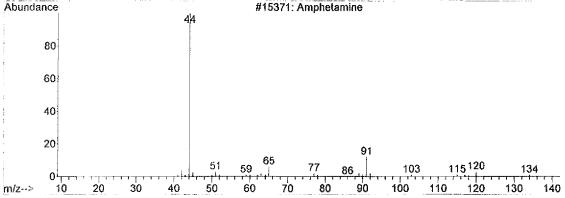
Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

	PK#	RT	Library/ID	CAS#	Qual
•	2	3.87	C:\Database\NIST08.L Amphetamine	000300-62-9	90
			Amphetamine	000300-62-9	90
			Benzeneethanamine, .alphamethyl-	000060-15-1	83



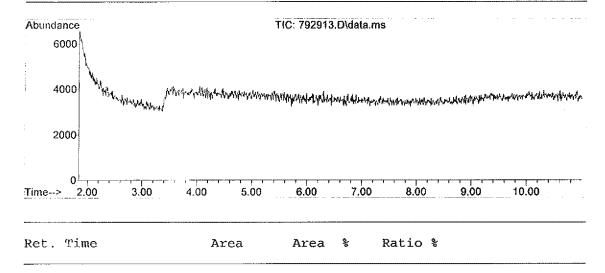


File Name : K:\06_21_11\792913.D

Operator : DCS

Date Acquired : 21 Jun 2011 18:02

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: SPEED.M
Integrator : RTE

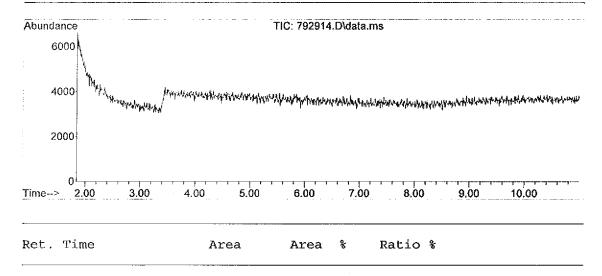


File Name : K:\06_21_11\792914.D

Operator : DCS

Date Acquired : 21 Jun 2011 18:15

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: SPEED.M
Integrator : RTE



File Name : K:\06_21_11\792915.D

Operator : DCS

Date Acquired : <u>21 Jun 2011</u> 18:29

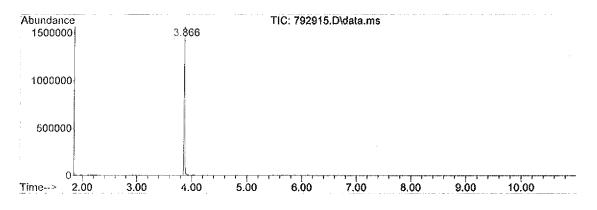
Sample Name Submitted by

Vial Number

: ASD 15

AcquisitionMeth: SPEED.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.866	1422638	100.00	100.00

File Name : K:\06_21_11\792915.D

Operator : DCS

Date Acquired 21 Jun 2011 18:29

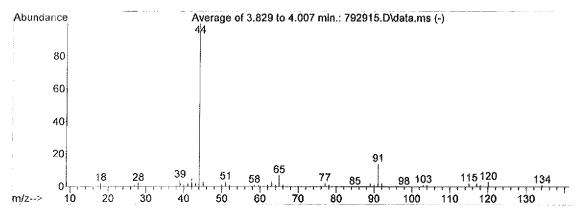
Sample Name

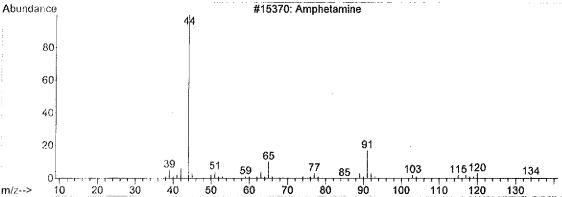
Submitted by ASD Vial Number 15 AcquisitionMeth: SPEED.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

P	K# 1	RT	Library/ID		CAS#	Qual
	L .		:\Database\NIST08.L	46,000		
			Amphetamine		000300-62-9	90
			Amphet amine		000300-62-9	90
			Benzeneethanamine,	.alphamethyl-	000060-15-1	83





File Name : K:\06_21_11\792916.D

Operator : DCS

Date Acquired : 21 Jun 2011 18:43

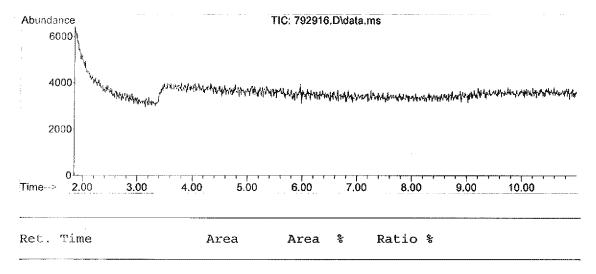
Sample Name : BLANK

Submitted by

Vial Number : 1

AcquisitionMeth: SPEED.M

Integrator : RTE



File Name : K:\06_21_11\792917.D

Operator : DCS

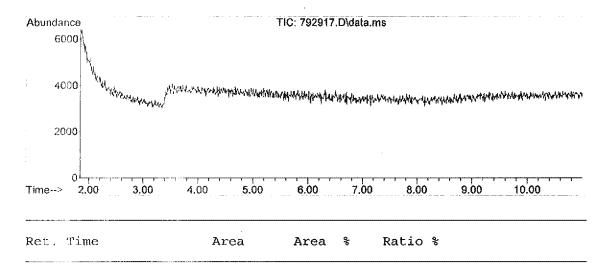
Date Acquired : 21 Jun 2011 18:57

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: SPEED.M

Integrator : RTE



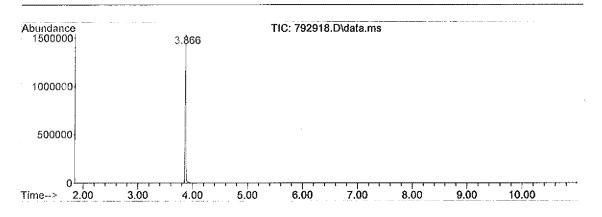
File Name : K:\06_21_11\792918.D

Operator : DCS

Date Acquired : 21 Jun 2011 19:11 Sample Name : AMPHETAMINE STANDARD

Submitted by

Vial Number : 6
AcquisitionMeth: SPEED.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.866	1403587	100.00	100.00

File Name : K:\06_21_11\792918.D

Operator : DCS

: 21 Jun 2011 Date Acquired 19:11 Sample Name : AMPHETAMINE STANDARD

Submitted by Vial Number 6 AcquisitionMeth: SPEED.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

	5K#	RT	Library/ID		CAS#	Qual
aurano.	1	3.87	C:\Database\NIST08.L Amphetamine Amphetamine Benzeneethanamine, .al	ohamethyl-	000300-62-9 000300-62-9 000060-15-1	90 90 83

